

FIG. 1

FIG. 2

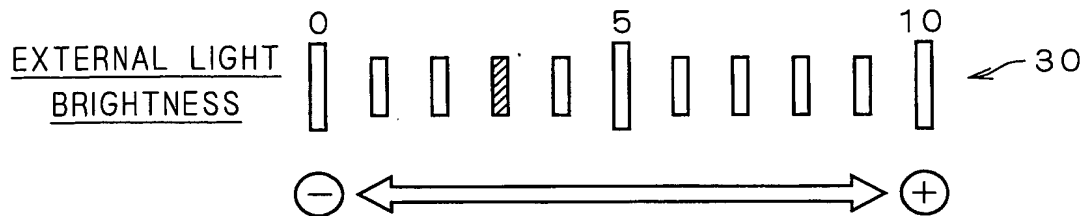
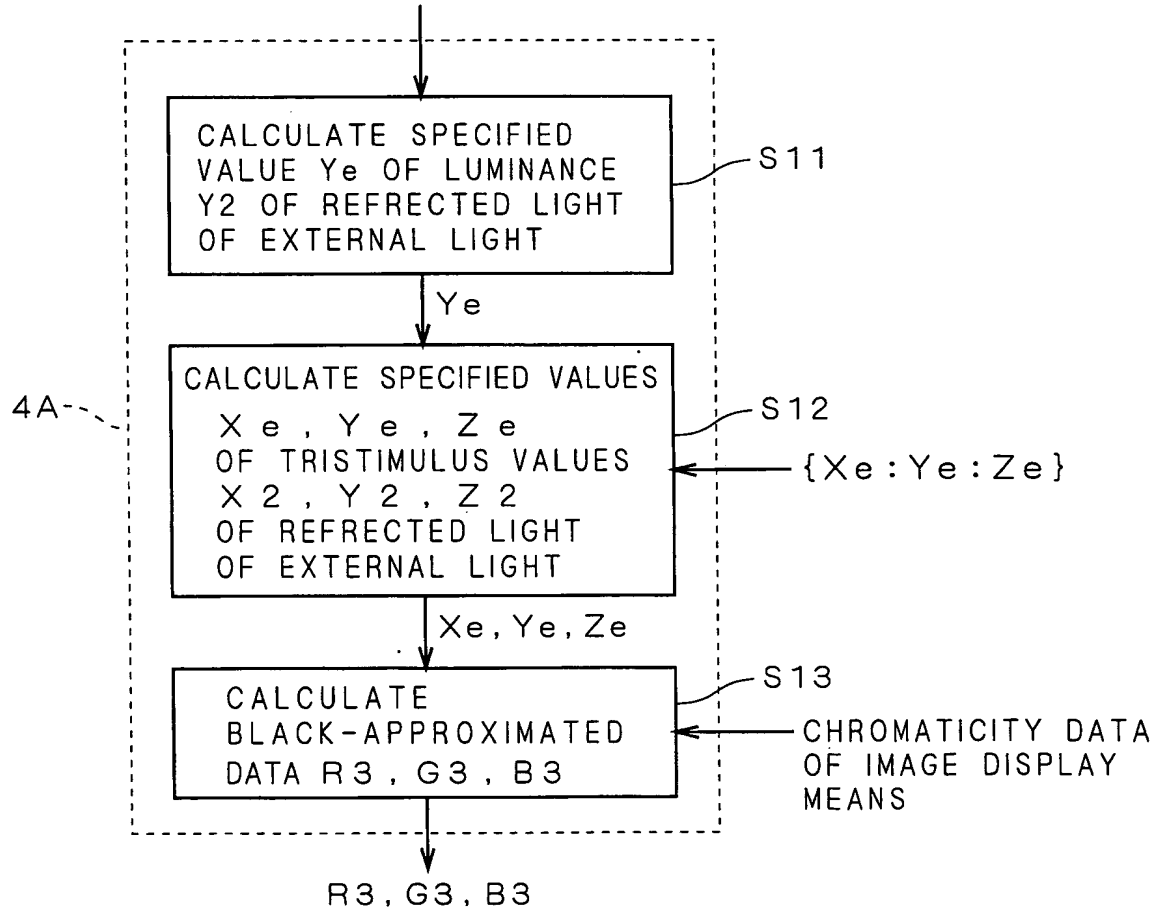


FIG. 3

BLACK-DISPLAY CHARACTERISTIC
SPECIFYING DATA BD1
(SPECIFY EXTERNAL LIGHT BRIGHTNESS)



F I G . 4

BLACK-DISPLAY CHARACTERISTIC SPECIFYING DATA BD1 (EXTERNAL LIGHT BRIGHTNESS)	SPECIFIED VALUE Y_e OF LUMINANCE Y_2 OF EXTERNAL LIGHT REFLECTED (cd / m ²)
0	0
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100

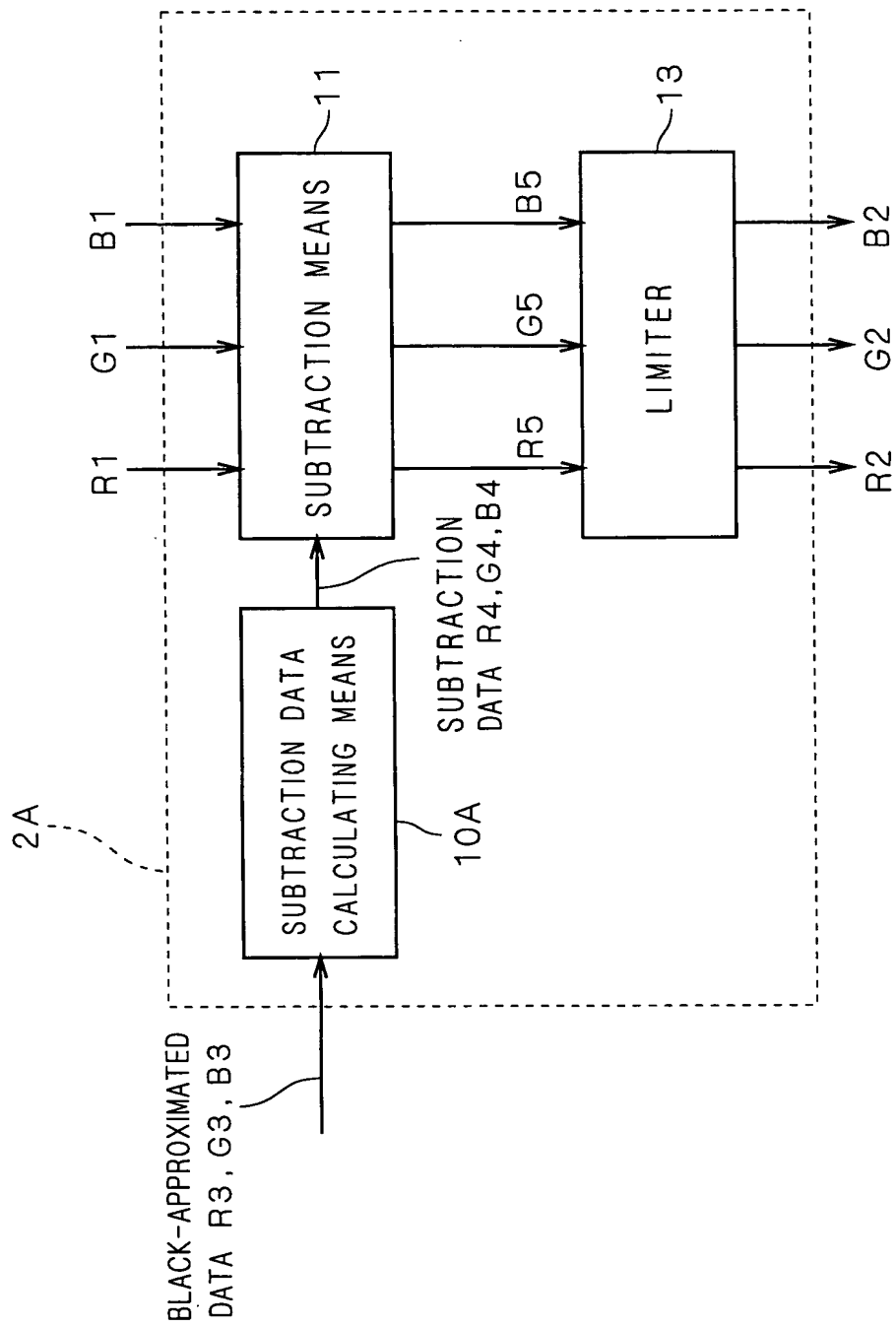


FIG. 5

1991-1992, 1993-1994, 1995-1996, 1997-1998, 1999-2000, 2001-2002, 2003-2004, 2005-2006, 2007-2008, 2009-2010, 2011-2012, 2013-2014, 2015-2016, 2017-2018, 2019-2020, 2021-2022, 2023-2024, 2025-2026, 2027-2028, 2029-2030, 2031-2032, 2033-2034, 2035-2036, 2037-2038, 2039-2040, 2041-2042, 2043-2044, 2045-2046, 2047-2048, 2049-2050, 2051-2052, 2053-2054, 2055-2056, 2057-2058, 2059-2060, 2061-2062, 2063-2064, 2065-2066, 2067-2068, 2069-2070, 2071-2072, 2073-2074, 2075-2076, 2077-2078, 2079-2080, 2081-2082, 2083-2084, 2085-2086, 2087-2088, 2089-2090, 2091-2092, 2093-2094, 2095-2096, 2097-2098, 2099-2100, 2101-2102, 2103-2104, 2105-2106, 2107-2108, 2109-2110, 2111-2112, 2113-2114, 2115-2116, 2117-2118, 2119-2120, 2121-2122, 2123-2124, 2125-2126, 2127-2128, 2129-2130, 2131-2132, 2133-2134, 2135-2136, 2137-2138, 2139-2140, 2141-2142, 2143-2144, 2145-2146, 2147-2148, 2149-2150, 2151-2152, 2153-2154, 2155-2156, 2157-2158, 2159-2160, 2161-2162, 2163-2164, 2165-2166, 2167-2168, 2169-2170, 2171-2172, 2173-2174, 2175-2176, 2177-2178, 2179-2180, 2181-2182, 2183-2184, 2185-2186, 2187-2188, 2189-2190, 2191-2192, 2193-2194, 2195-2196, 2197-2198, 2199-2200, 2201-2202, 2203-2204, 2205-2206, 2207-2208, 2209-2210, 2211-2212, 2213-2214, 2215-2216, 2217-2218, 2219-2220, 2221-2222, 2223-2224, 2225-2226, 2227-2228, 2229-2230, 2231-2232, 2233-2234, 2235-2236, 2237-2238, 2239-2240, 2241-2242, 2243-2244, 2245-2246, 2247-2248, 2249-2250, 2251-2252, 2253-2254, 2255-2256, 2257-2258, 2259-2260, 2261-2262, 2263-2264, 2265-2266, 2267-2268, 2269-2270, 2271-2272, 2273-2274, 2275-2276, 2277-2278, 2279-2280, 2281-2282, 2283-2284, 2285-2286, 2287-2288, 2289-2290, 2291-2292, 2293-2294, 2295-2296, 2297-2298, 2299-2300, 2301-2302, 2303-2304, 2305-2306, 2307-2308, 2309-2310, 2311-2312, 2313-2314, 2315-2316, 2317-2318, 2319-2320, 2321-2322, 2323-2324, 2325-2326, 2327-2328, 2329-2330, 2331-2332, 2333-2334, 2335-2336, 2337-2338, 2339-2340, 2341-2342, 2343-2344, 2345-2346, 2347-2348, 2349-2350, 2351-2352, 2353-2354, 2355-2356, 2357-2358, 2359-2360, 2361-2362, 2363-2364, 2365-2366, 2367-2368, 2369-2370, 2371-2372, 2373-2374, 2375-2376, 2377-2378, 2379-2380, 2381-2382, 2383-2384, 2385-2386, 2387-2388, 2389-2390, 2391-2392, 2393-2394, 2395-2396, 2397-2398, 2399-2400, 2401-2402, 2403-2404, 2405-2406, 2407-2408, 2409-2410, 2411-2412, 2413-2414, 2415-2416, 2417-2418, 2419-2420, 2421-2422, 2423-2424, 2425-2426, 2427-2428, 2429-2430, 2431-2432, 2433-2434, 2435-2436, 2437-2438, 2439-2440, 2441-2442, 2443-2444, 2445-2446, 2447-2448, 2449-2450, 2451-2452, 2453-2454, 2455-2456, 2457-2458, 2459-2460, 2461-2462, 2463-2464, 2465-2466, 2467-2468, 2469-2470, 2471-2472, 2473-2474, 2475-2476, 2477-2478, 2479-2480, 2481-2482, 2483-2484, 2485-2486, 2487-2488, 2489-2490, 2491-2492, 2493-2494, 2495-2496, 2497-2498, 2499-2500, 2501-2502, 2503-2504, 2505-2506, 2507-2508, 2509-2510, 2511-2512, 2513-2514, 2515-2516, 2517-2518, 2519-2520, 2521-2522, 2523-2524, 2525-2526, 2527-2528, 2529-2530, 2531-2532, 2533-2534, 2535-2536, 2537-2538, 2539-2540, 2541-2542, 2543-2544, 2545-2546, 2547-2548, 2549-2550, 2551-2552, 2553-2554, 2555-2556, 2557-2558, 2559-2560, 2561-2562, 2563-2564, 2565-2566, 2567-2568, 2569-2570, 2571-2572, 2573-2574, 2575-2576, 2577-2578, 2579-2580, 2581-2582, 2583-2584, 2585-2586, 2587-2588, 2589-2590, 2591-2592, 2593-2594, 2595-2596, 2597-2598, 2599-2600, 2601-2602, 2603-2604, 2605-2606, 2607-2608, 2609-2610, 2611-2612, 2613-2614, 2615-2616, 2617-2618, 2619-2620, 2621-2622, 2623-2624, 2625-2626, 2627-2628, 2629-2630, 2631-2632, 2633-2634, 2635-2636, 2637-2638, 2639-2640, 2641-2642, 2643-2644, 2645-2646, 2647-2648, 2649-2650, 2651-2652, 2653-2654, 2655-2656, 2657-2658, 2659-2660, 2661-2662, 2663-2664, 2665-2666, 2667-2668, 2669-2670, 2671-2672, 2673-2674, 2675-2676, 2677-2678, 2679-2680, 2681-2682, 2683-2684, 2685-2686, 2687-2688, 2689-2690, 2691-2692, 2693-2694, 2695-2696, 2697-2698, 2699-2700, 2701-2702, 2703-2704, 2705-2706, 2707-2708, 2709-2710, 2711-2712, 2713-2714, 2715-2716, 2717-2718, 2719-2720, 2721-2722, 2723-2724, 2725-2726, 2727-2728, 2729-2730, 2731-2732, 2733-2734, 27

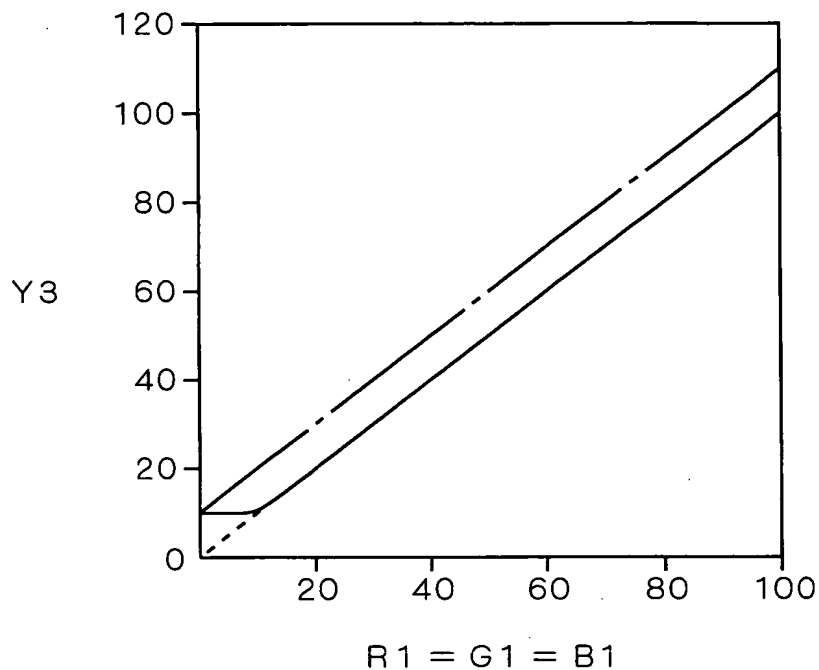
R1	G1	B1	R2	G2	B2	X3	Y3	Z3	RATIO TO WHITE (Y/Y _{max})
0	0	0	0	0	0	10.505	11.000	11.890	0.109
10	10	10	0	0	0	10.505	11.000	11.890	0.109
20	20	20	10	10	10	20.010	21.000	22.780	0.208
30	30	30	20	20	20	29.515	31.000	33.670	0.307
40	40	40	30	30	30	39.020	41.000	44.560	0.406
50	50	50	40	40	40	48.525	51.000	55.450	0.505
60	60	60	50	50	50	58.030	61.000	66.340	0.604
70	70	70	60	60	60	67.535	71.000	77.230	0.703
80	80	80	70	70	70	77.040	81.000	88.120	0.802
90	90	90	80	80	80	86.545	91.000	99.010	0.901
100	100	100	90	90	90	96.050	101.000	109.900	1.000

F1G.6

R1	G1	B1	X3	Y3	Z3	RATIO TO WHITE (Y/Y _{max})
0	0	0	1.000	1.000	1.000	0.010
10	10	10	10.505	11.000	11.890	0.109
20	20	20	20.010	21.000	22.780	0.208
30	30	30	29.515	31.000	33.670	0.307
40	40	40	39.020	41.000	44.560	0.406
50	50	50	48.525	51.000	55.450	0.505
60	60	60	58.030	61.000	66.340	0.604
70	70	70	67.535	71.000	77.230	0.703
80	80	80	77.040	81.000	88.120	0.802
90	90	90	86.545	91.000	99.010	0.901
100	100	100	96.050	101.000	109.900	1.000

FIG. 7

FIG. 8



- IMAGE DISPLAY DEVICE OF FIRST PREFERRED EMBODIMENT
(UNDER INFLUENCE OF EXTERNAL LIGHT)
- UNDER NO INFLUENCE OF EXTERNAL LIGHT
- - - - CONVENTIONAL IMAGE DISPLAY DEVICE
(UNDER INFLUENCE OF EXTERNAL LIGHT)

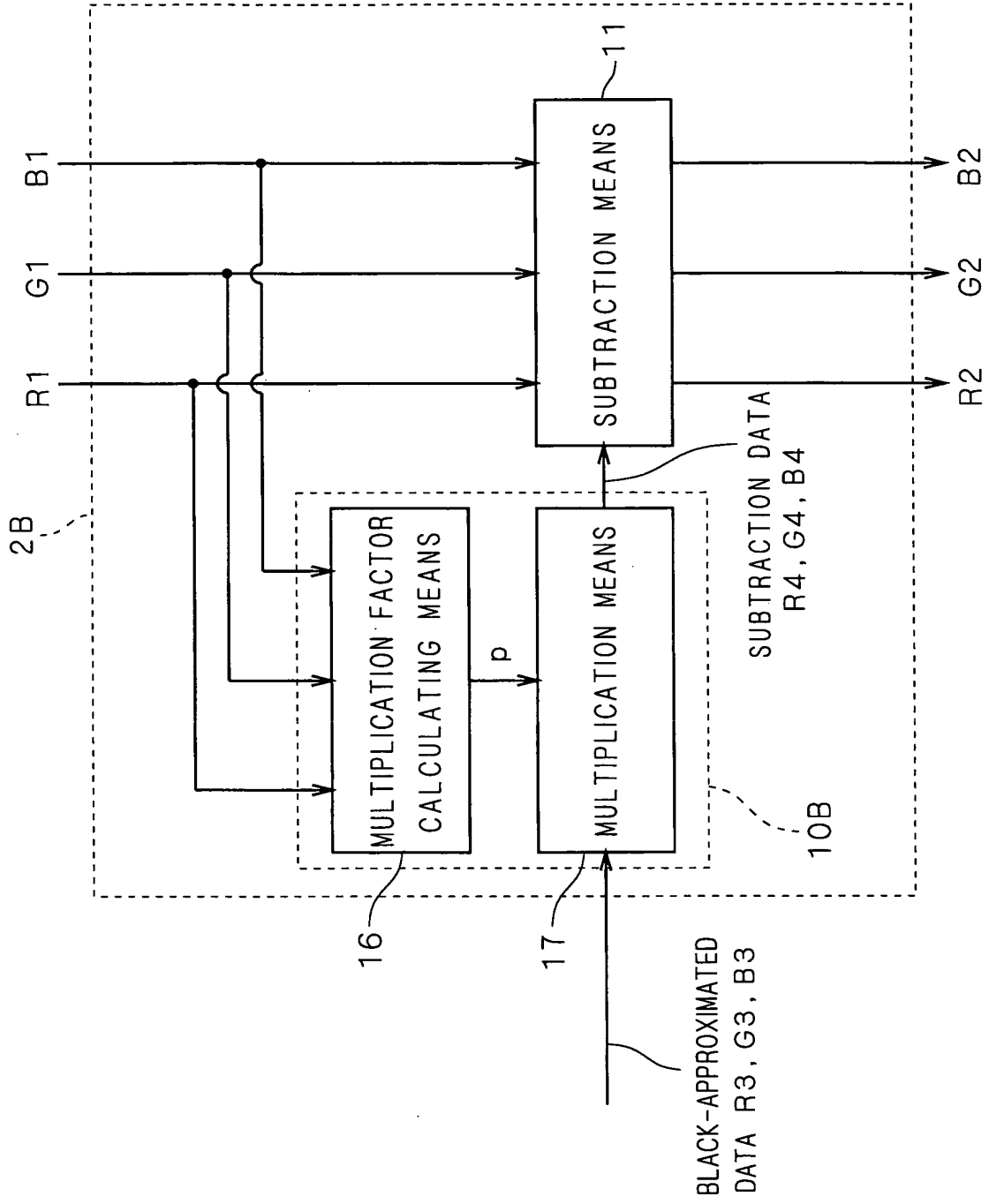


FIG. 9

FIG. 10

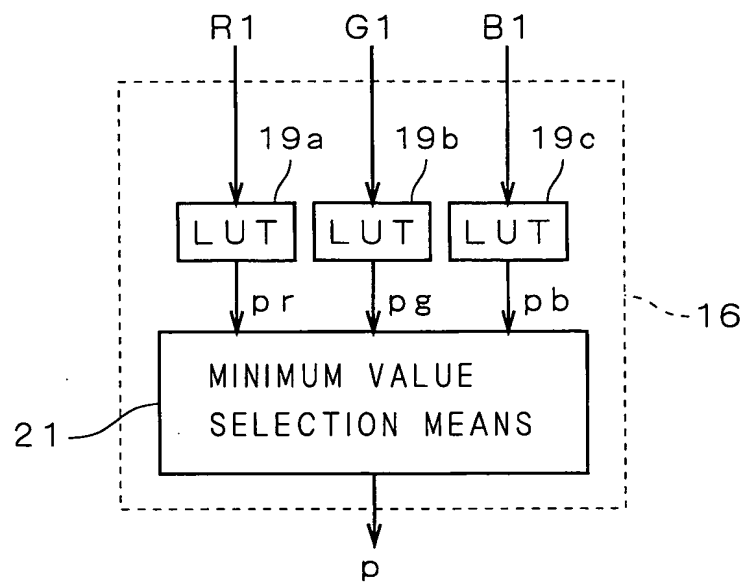


FIG. 11

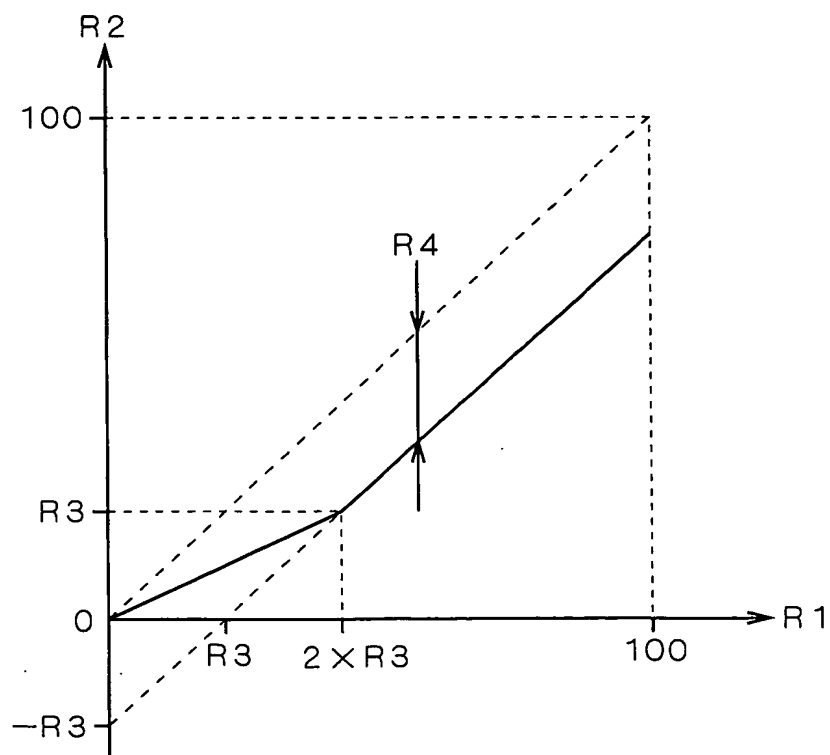


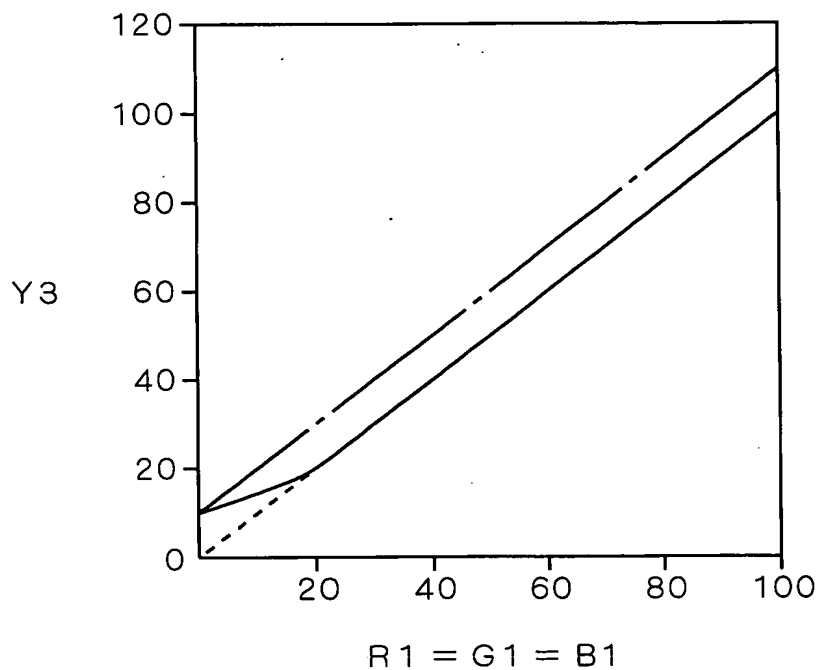
Figure 1 consists of 12 micrographs arranged in two rows of six, showing the development of a single embryo. The top row shows the early stages: fertilization (1), cleavage (2), and gastrulation (3). The bottom row shows the later stages: neurulation (4), tail formation (5), and hatching (6). Each image is labeled with a number from 1 to 12 and a corresponding time point in hours and minutes.

Image	Time
1	00:00
2	00:05
3	00:10
4	00:15
5	00:20
6	00:25
7	00:30
8	00:35
9	00:40
10	00:45
11	00:50
12	00:55

R1	G1	B1	R2	G2	B2	X3	Y3	Z3	RATIO TO WHITE (Y/Y _{max})
0	0	0	0	0	0	10.505	11.000	11.890	0.109
10	10	10	5	5	5	15.258	16.000	17.335	0.158
20	20	20	10	10	10	20.010	21.000	22.780	0.208
30	30	30	20	20	20	29.515	31.000	33.670	0.307
40	40	40	30	30	30	39.020	41.000	44.560	0.406
50	50	50	40	40	40	48.525	51.000	55.450	0.505
60	60	60	50	50	50	58.030	61.000	66.340	0.604
70	70	70	60	60	60	67.535	71.000	77.230	0.703
80	80	80	70	70	70	77.040	81.000	88.120	0.802
90	90	90	80	80	80	86.545	91.000	99.010	0.901
100	100	100	90	90	90	96.050	101.000	109.900	1.000

FIG. 12

UNITED STATES DEPARTMENT OF AGRICULTURE



- IMAGE DISPLAY DEVICE OF SECOND PREFERRED EMBODIMENT
(UNDER INFLUENCE OF EXTERNAL LIGHT)
- UNDER NO INFLUENCE OF EXTERNAL LIGHT
- - - - CONVENTIONAL IMAGE DISPLAY DEVICE
(UNDER INFLUENCE OF EXTERNAL LIGHT)

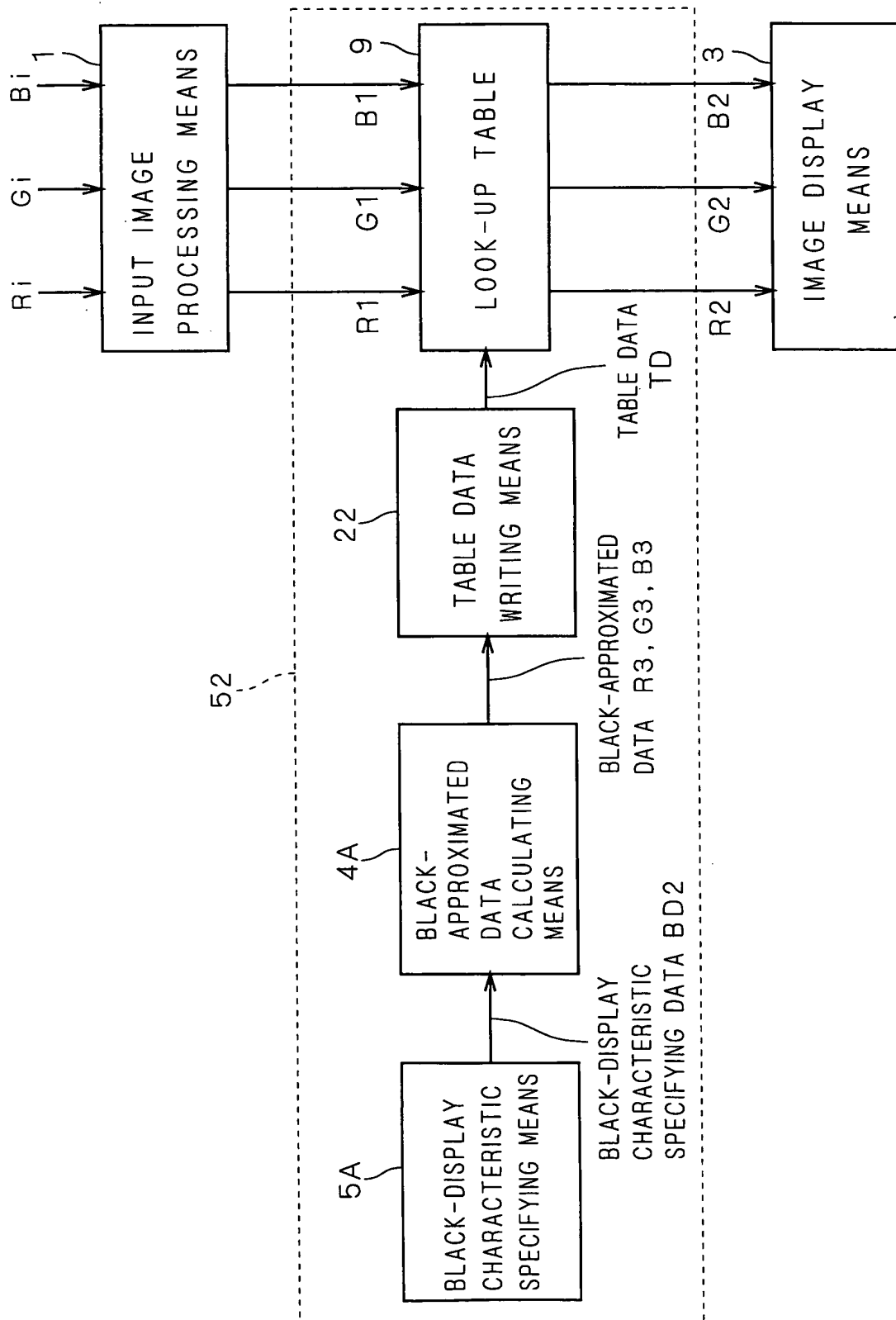


FIG. 14

FIG. 15

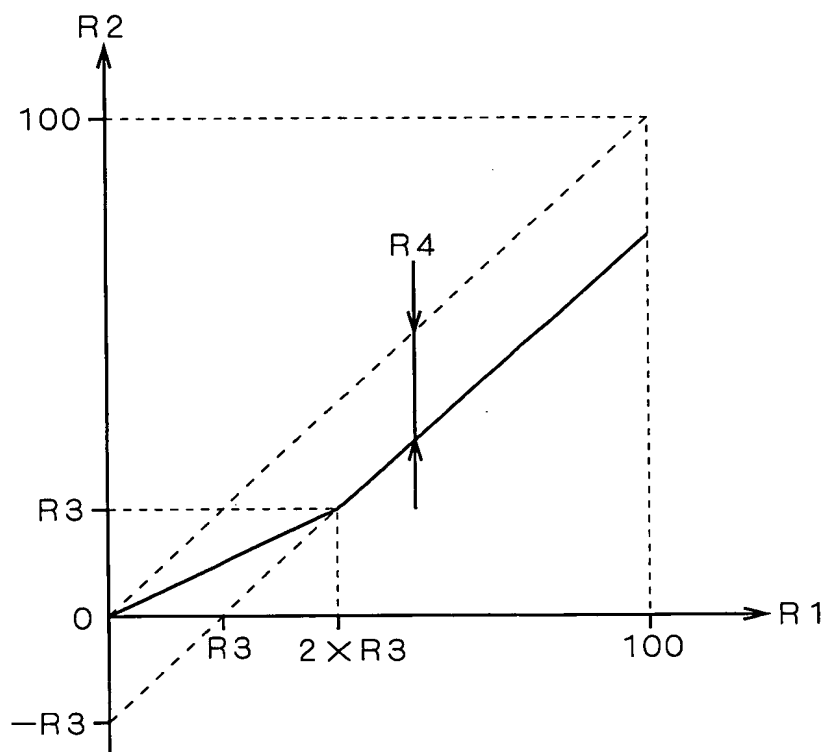


FIG. 16

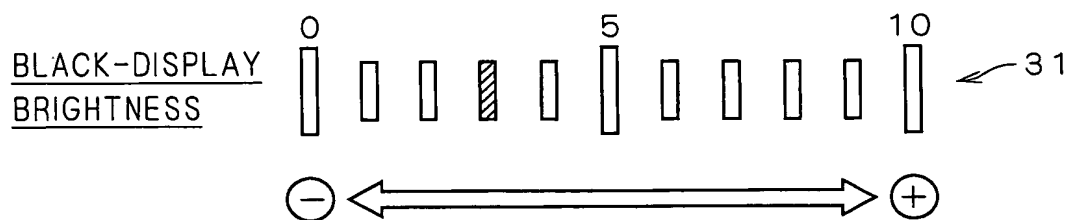


FIG. 17

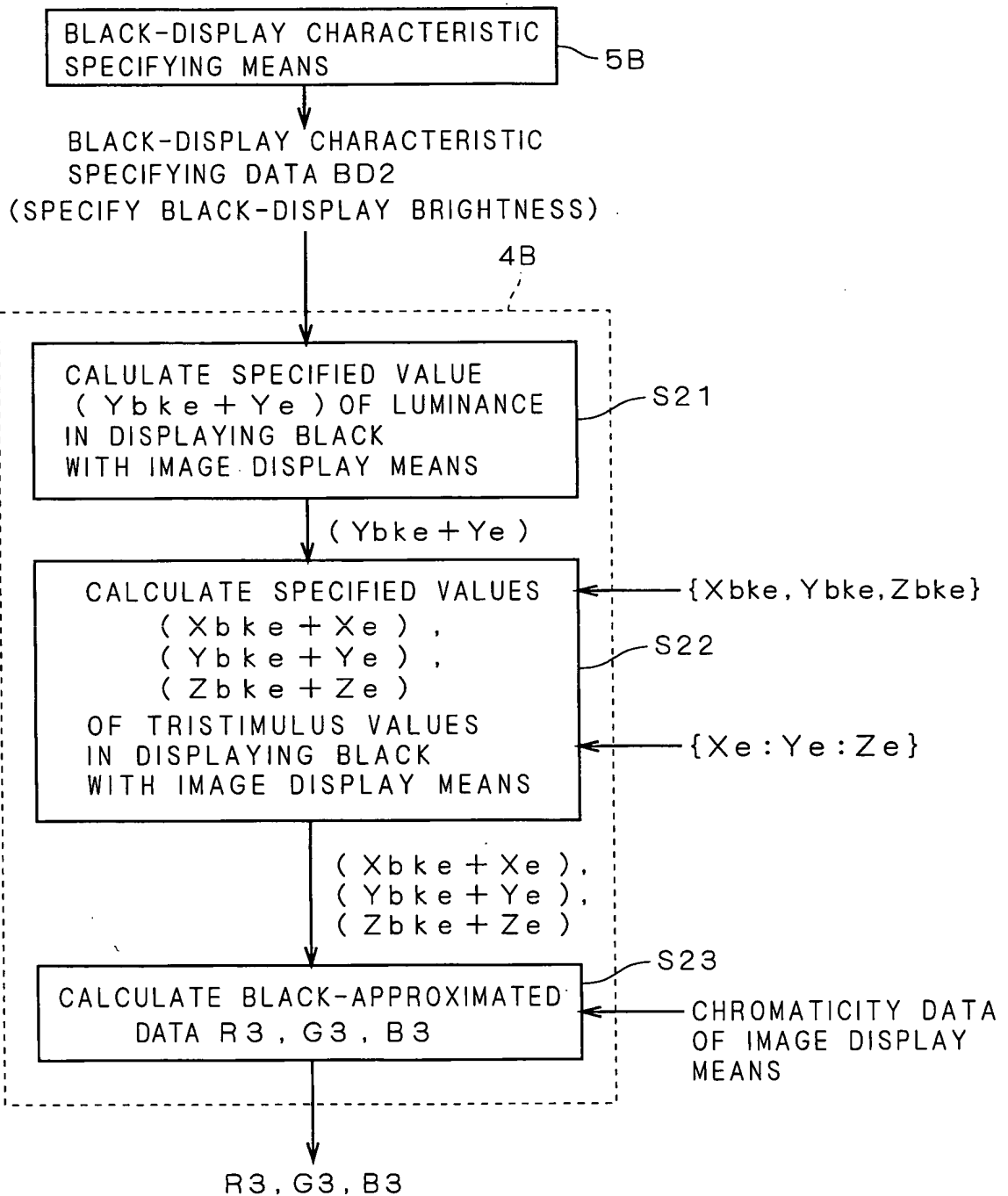


FIG. 17

WORLD OF

BLACK-DISPLAY CHARACTERISTIC SPECIFYING DATA BD 2 (BLACK-DISPLAY BRIGHTNESS)	SPECIFIED VALUE ($Y_{bk} + Y_e$) OF LUMINANCE IN DISPLAYING BLACK (cd / m^2)
0	0
1	10
2	20
3	30
4	40
5	50
6	60
7	70
8	80
9	90
10	100

F I G . 19

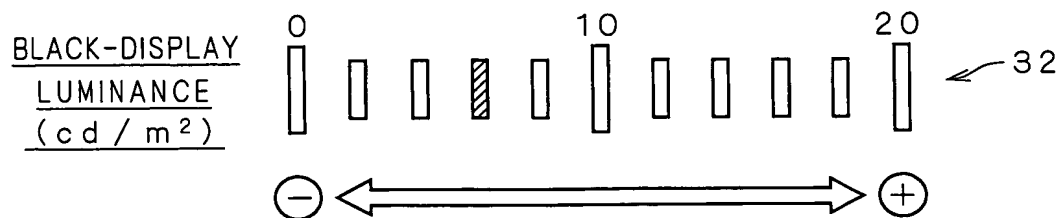


FIG. 20

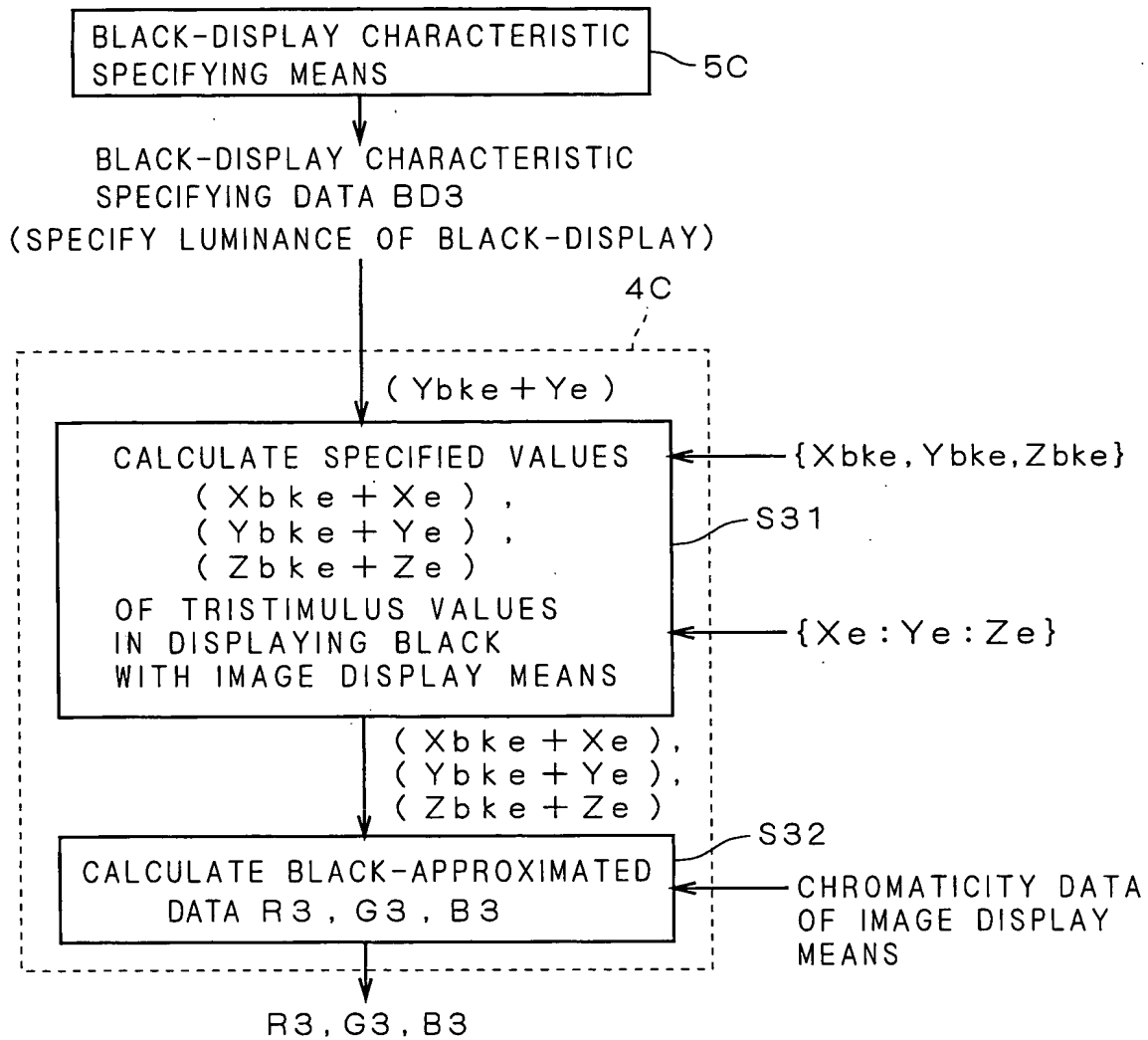


FIG. 21

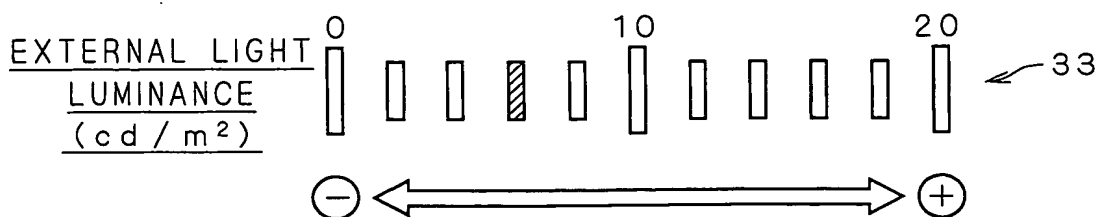


FIG. 22

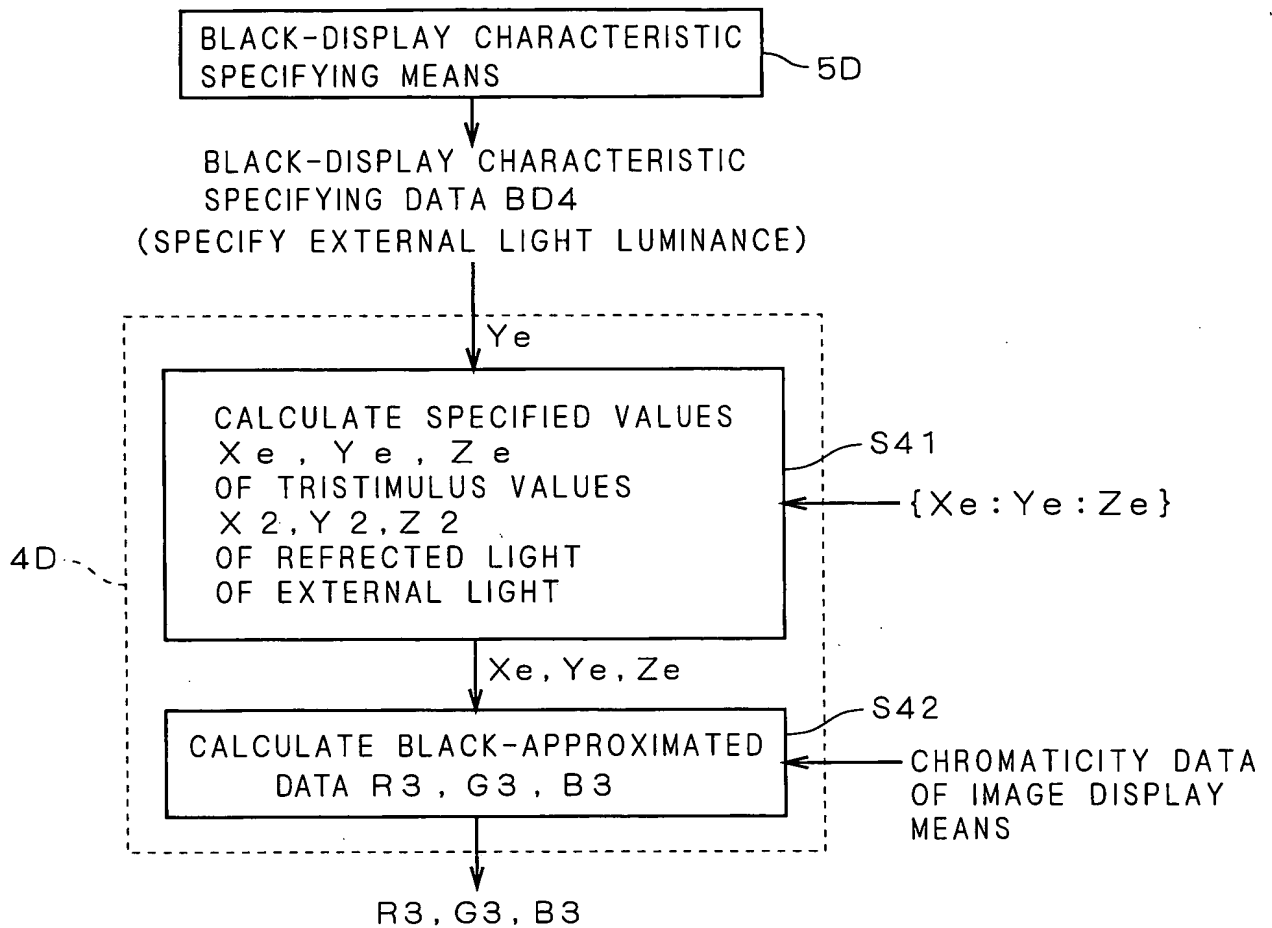
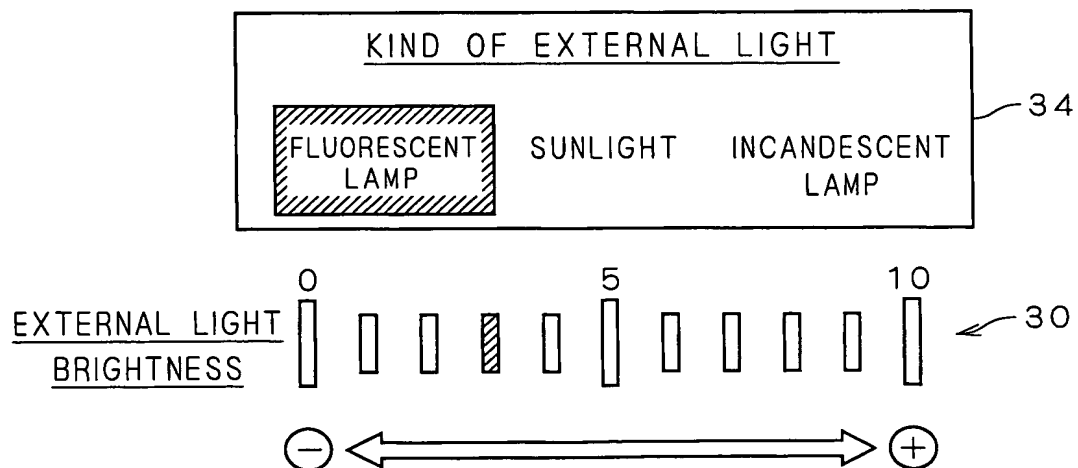
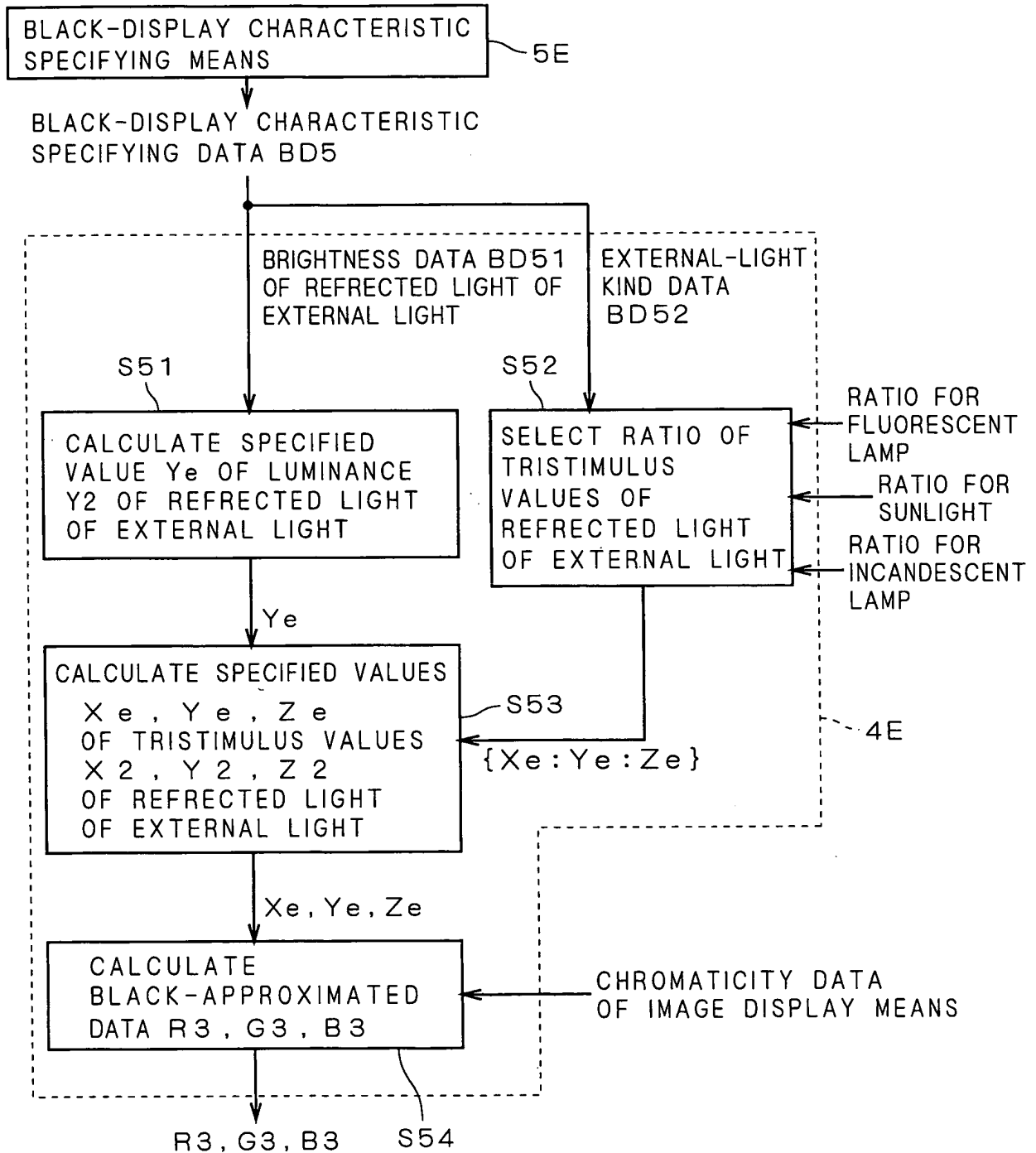


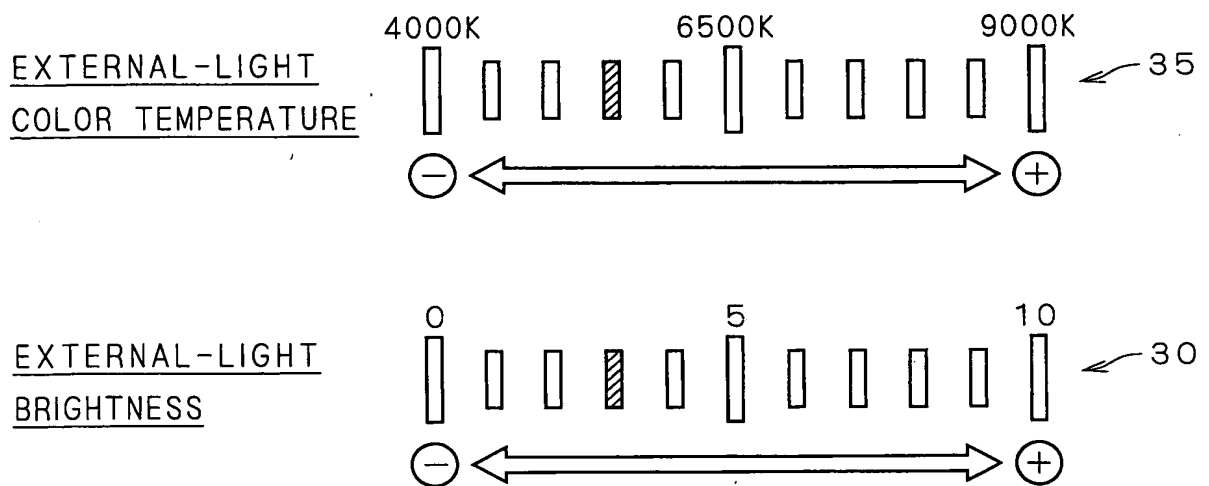
FIG. 23



F I G . 2 4



F I G . 2 5



F I G . 2 6

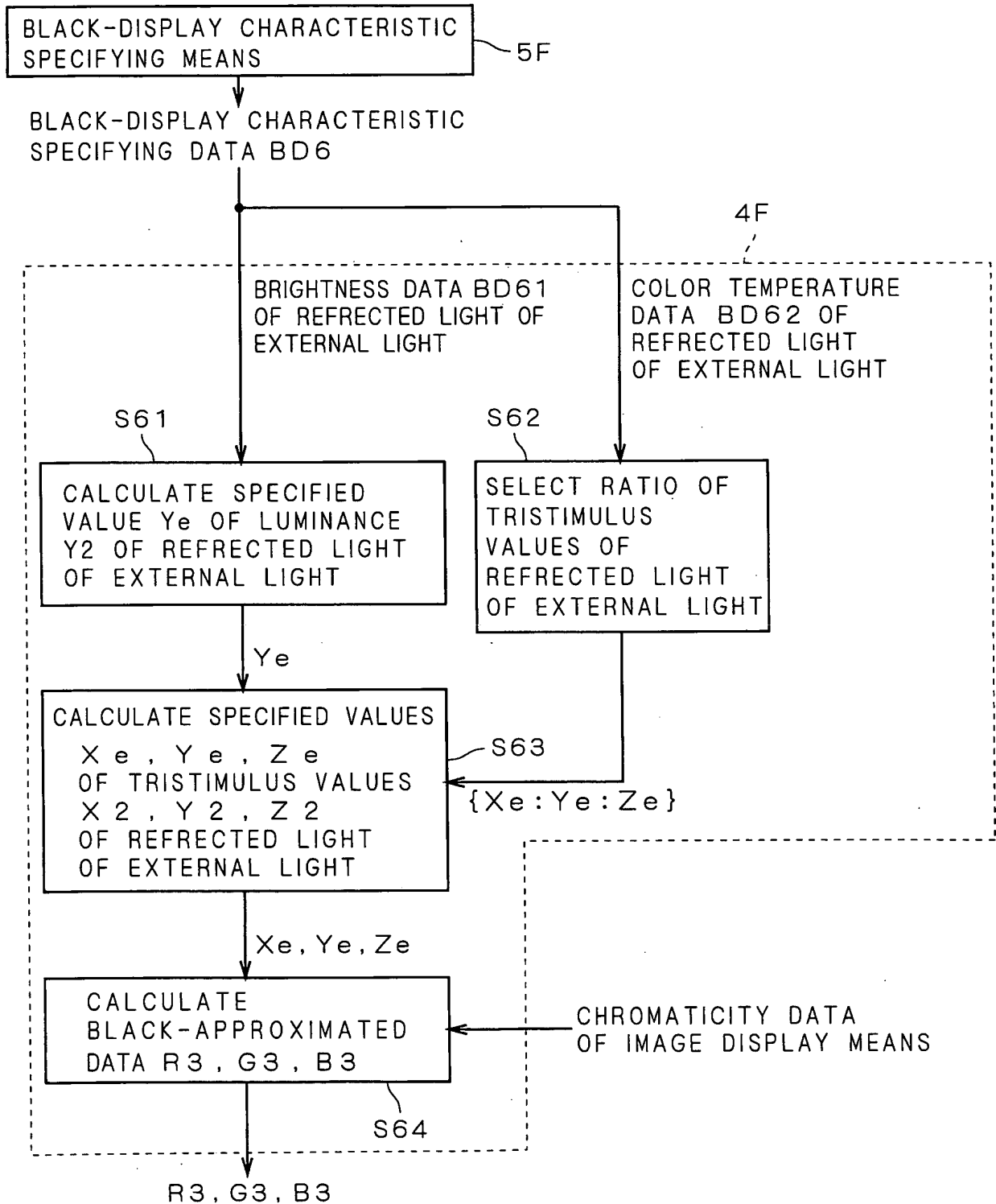


FIG. 27

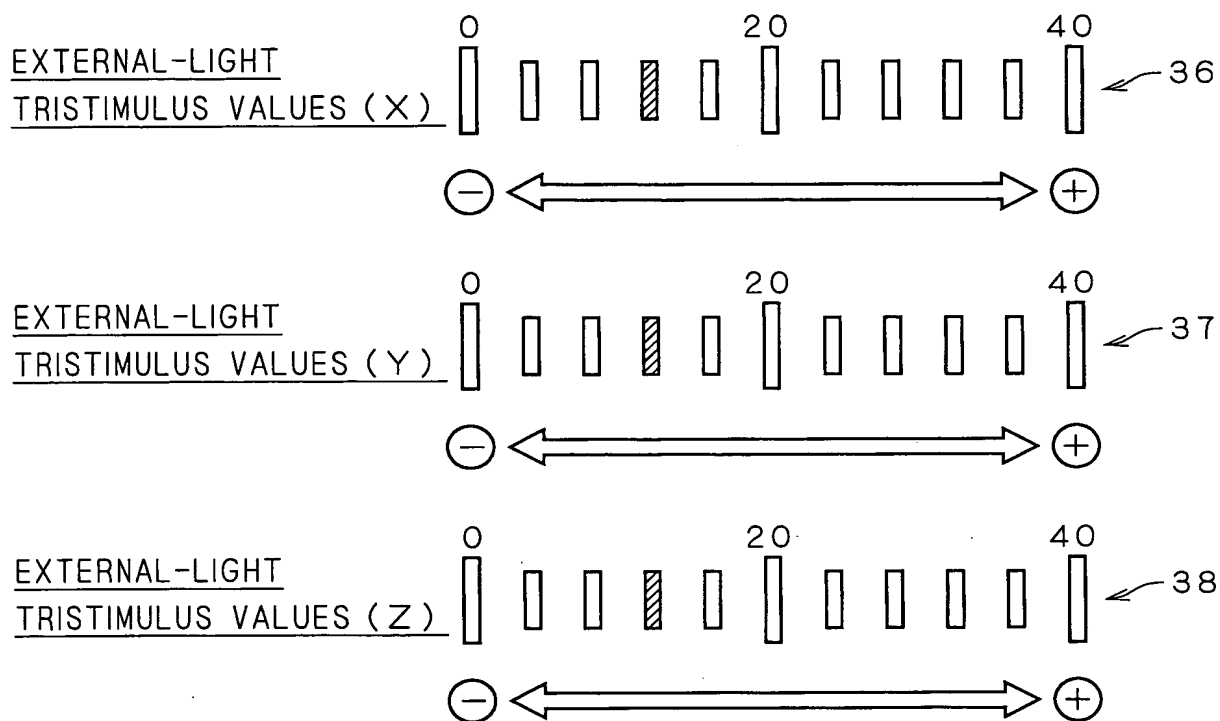


FIG. 28

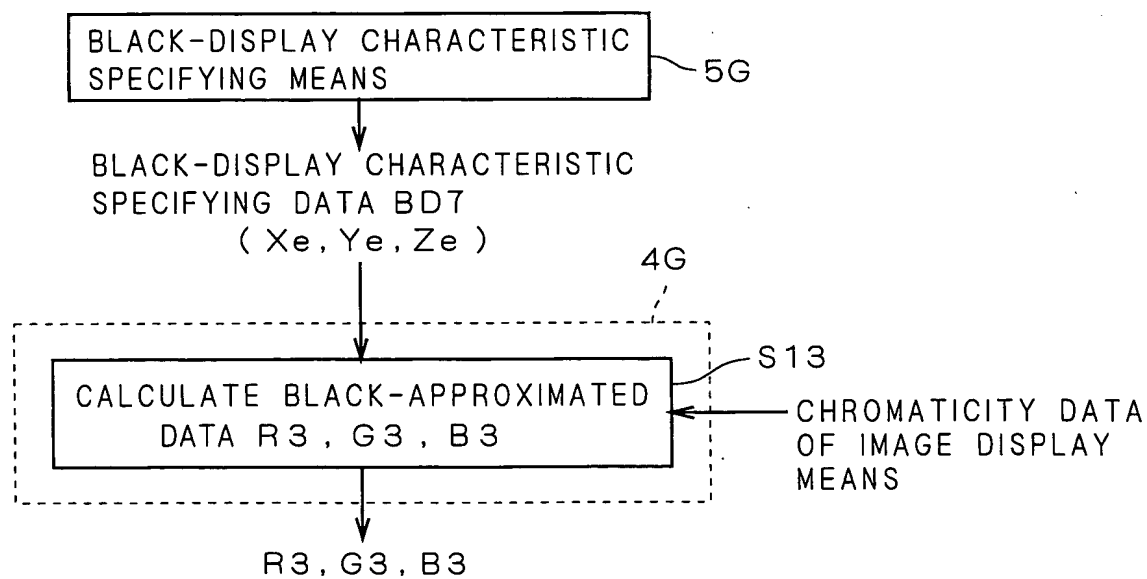


FIG. 29

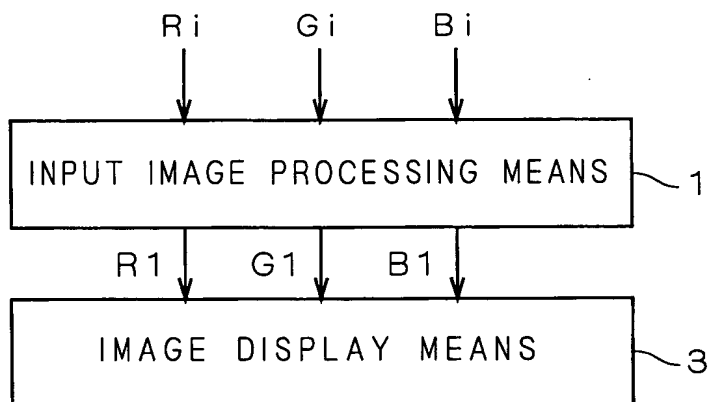
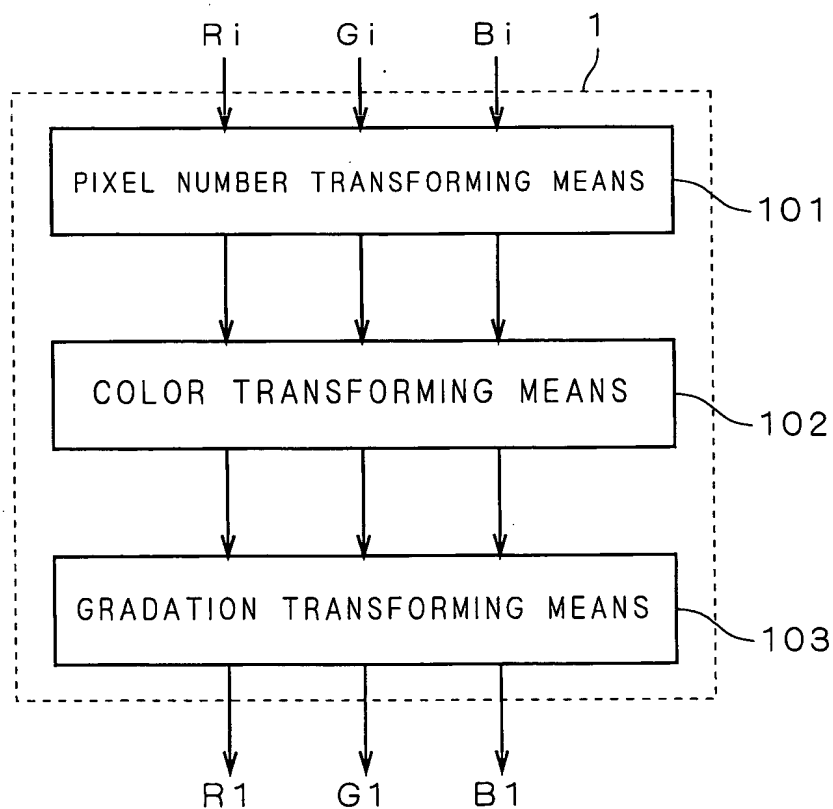


FIG. 30



R1	G1	B1	X3	Y3	Z3	RATIO TO WHITE (Y/Y _{max})
0	0	0	1.000	1.000	1.000	0.010
10	10	10	10.505	11.000	11.890	0.109
20	20	20	20.010	21.000	22.780	0.208
30	30	30	29.515	31.000	33.670	0.307
40	40	40	39.020	41.000	44.560	0.406
50	50	50	48.525	51.000	55.450	0.505
60	60	60	58.030	61.000	66.340	0.604
70	70	70	67.535	71.000	77.230	0.703
80	80	80	77.040	81.000	88.120	0.802
90	90	90	86.545	91.000	99.010	0.901
100	100	100	96.050	101.000	109.900	1.000

FIG. 32

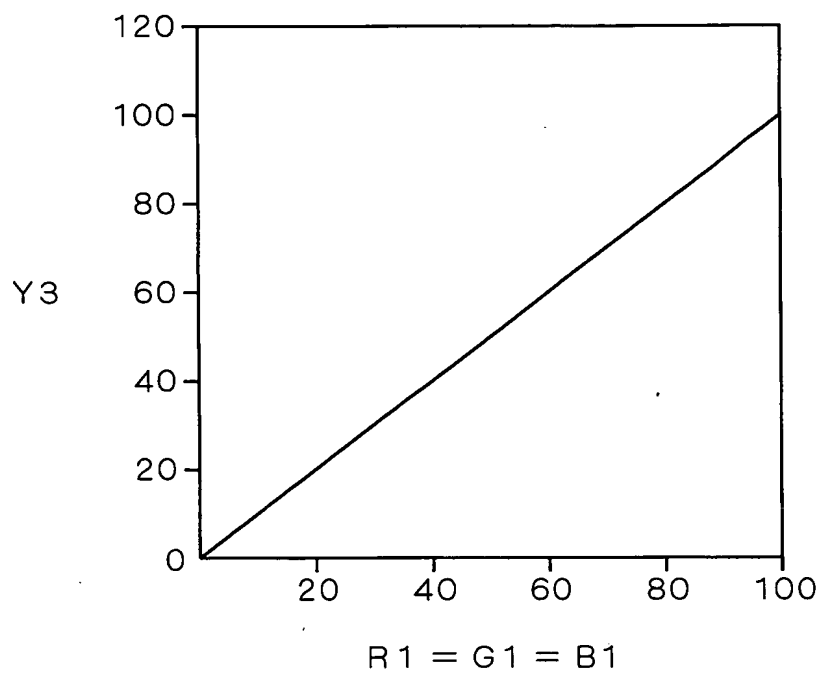
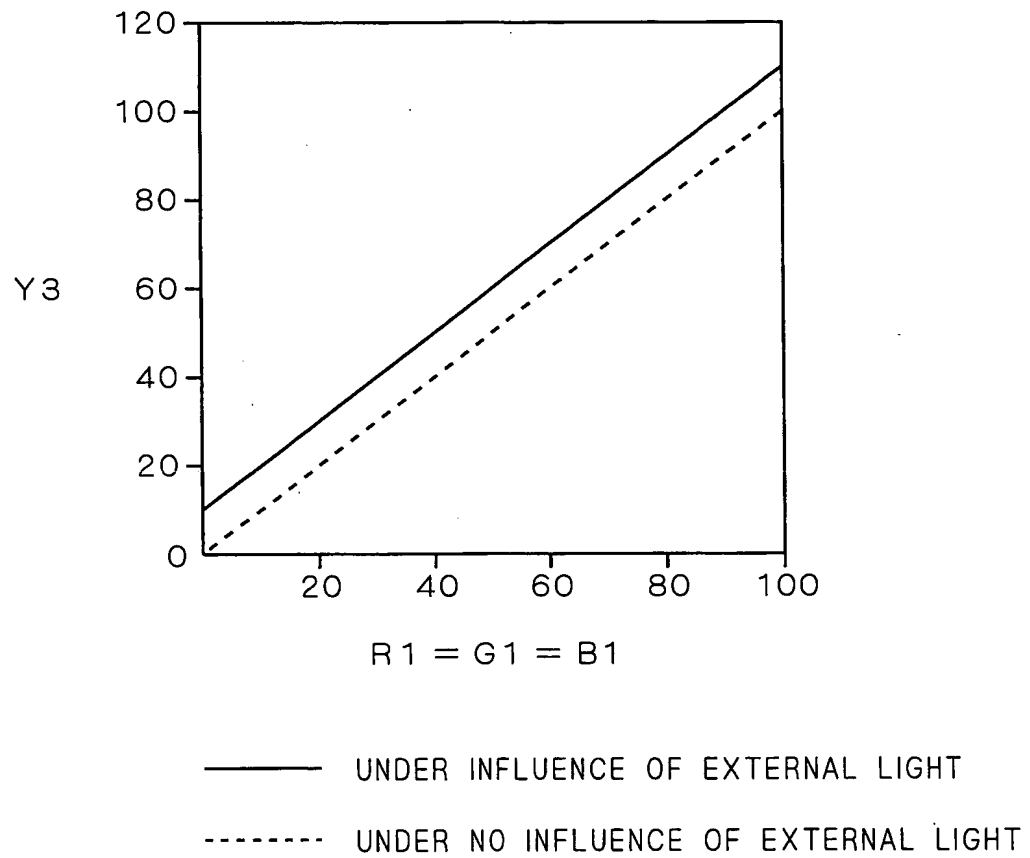


FIG. 34



R1	G1	B1	X3	Y3	Z3	RATIO TO WHITE (Y/Y _{max})
0	0	0	11.505	12.000	12.890	0.057
10	10	10	30.515	32.000	34.670	0.151
20	20	20	49.525	52.000	56.450	0.245
30	30	30	68.535	72.000	78.230	0.340
40	40	40	87.545	92.000	100.010	0.434
50	50	50	106.555	112.000	121.790	0.528
60	60	60	125.565	132.000	143.570	0.623
70	70	70	144.575	152.000	165.350	0.717
80	80	80	163.585	172.000	187.130	0.811
90	90	90	182.595	192.000	208.910	0.906
100	100	100	201.605	212.000	230.690	1.000